

AMENDMENTS TO THE CLAIMS

The claims in this listing replaces all prior versions and listings of claims in the application.

Listing of Claims:

1-76 (Cancelled).

77. (New) A device for controlling a display on a display device in response to at least one processing unit, comprising:

a receiving unit that receives a request from one processing unit to acquire one of predefined display areas,

a display area management unit that determines whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire the one of predefined display areas; and

a tuner unit that selects and demodulates a transport stream which includes desired data, wherein, when a plurality of requests for acquiring the same one of predefined display areas from a plurality of processing unit are received by the receiving unit, the authorization is provided to a single processing unit that made one of the requests to acquire the same one of predefined display areas, and for displaying the desired data, the single processing units controlling the tuner unit to select and demodulate the transport stream.

78. (New) The device of claim 77, further comprising:

a transport decoder that selects the desired data from the transport stream selected and demodulated by the tuner; and

an AV decoder that decodes the desired data selected by the transport decoder, wherein the single processing unit controls the transport decoder and the AV decoder to display the desired data decoded by the AV decoder.

79. (New) A device for controlling a display on a display device in response to at least one processing unit, comprising:

a receiving unit that receives a request from one processing unit for acquiring one of predefined display areas;

a display area management unit that determines whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit for acquiring the one of predefined display areas; and

a tuner unit that selects and demodulates a transport stream which includes desired data for data broadcasting, wherein, when a plurality of requests for acquiring the same one of predefined display areas from a plurality of processing units are received by the receiving unit, the authorization is provided to a single processing unit that made one of the requests to acquire the same one of predefined display areas, and for displaying the desired data for data broadcasting, the single processing unit controlling the tuner unit to select and demodulate the transport stream.

80. (New) The device of claim 79, further comprising:

a transport decoder that selects the desired data for data broadcasting from the transport stream selected and demodulated by the tuner; and

an AV decoder that decodes the desired data for data broadcasting selected by the transport decoder, wherein the single processing unit controls the transport decoder and the AV decoder to display the desired data for data broadcasting decoded by the AV decoder.

81. (New) A device for controlling a display on a display device in response to at least one processing unit, comprising:

a receiving unit that receives a request from one processing unit to acquire one of predefined display areas;

a display area management unit that determines whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire the one of the predefined display areas; and

a tuner unit that selects and demodulates a transport stream which includes an electronic program schedule, wherein, when a plurality of requests to acquire the same one of predefined display areas from a plurality of processing units are received by the receiving unit, the authorization is provided to single processing unit that made one of the requests to acquire the same one of predefined display areas, and for displaying the electronic program schedule, the single processing unit controlling the tuner unit to select and demodulate the transport stream.

82. (New) The device of claim 81, further comprising;
a transport decoder that selects the electronic program schedule from the transport stream selected and demodulated by the tuner; and
an AV decoder that decodes the electronic program schedule selected by the transport decoder, wherein the single processing unit controls the transport decoder and the AV decoder to display the electronic program schedule decoded by the AV decoder.

83. (New) A method of controlling a display on a display apparatus in response to at least one processing unit, comprising:

receiving a request from one processing unit to acquire one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire one of predefined areas; and

selecting and demodulating a transport stream which includes desired data, wherein, when a plurality of requests to acquire a same one of predefined display areas a plurality of processing units are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the desired data, the single processing unit controlling the selecting and demodulating of the transport stream.

84. (New) The method of claim 83, further comprising:

selecting the desired data from the selected transport stream; and

decoding the selected desired data, wherein the single processing unit controls a display of the decoded desired data.

85. (New) A method of controlling a display on a display apparatus in response to at least one processing unit, comprising:

receiving a request from one processing unit for acquiring one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire one of predefined display areas; and

selecting and demodulating a transport stream which includes desired data for data broadcasting, wherein, when a plurality of requests to acquire a same one of the predefined display areas from a plurality of processing units are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the desired data for data broadcasting, the single processing unit controlling the selecting and demodulating of the transport stream.

86. (New) The method of claim 85, further comprising:

selecting the desired data for data broadcasting from the selected transport stream; and

decoding the selected desired data, wherein the single processing unit controls a display of the decoded desired data for data broadcasting.

87. (New) A method of controlling a display on a display apparatus in response to at least one processing unit, comprising:

receiving a request from one processing unit to acquire one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire the one of predefined display areas; and

selecting and demodulating a transport stream which includes an electronic program schedule, wherein, when a plurality of requests to acquire a same one of predefined display areas from a plurality of processing units are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the electronic program schedule, the single processing unit controlling the selecting and demodulating of the transport stream.

88. (New) The method of claim 87, further comprising:

selecting the electronic program schedule from the selected and demodulated transport stream; and

decoding the selected electronic program schedule, wherein the single processing unit controls a display of the decoded electronic program schedule.

89. (New) A computer-readable medium that stores a plurality of instructions to be executed by at least one processor to control a display on a display apparatus, comprising:

receiving a request from one processing unit to acquire one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire one of predefined display areas; and

selecting and demodulating a transport stream which includes desired data, wherein, when a plurality of requests for acquiring the same one of predefined display areas are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the desired data, the single processing unit controlling the selecting and demodulating of the transport stream.

90. (New) The computer readable medium of claim 89, further comprising:

selecting the desired data from the selected and demodulated transport stream;
and

decoding the selected desired data, wherein the single processing unit controls a display of the decoded desired data.

91. (New) A computer readable medium that stores a plurality of instructions to be executed by at least one processor to control a display on a display apparatus, comprising:

receiving a request from one processing unit to acquire one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire one of predefined display areas; and

selecting and demodulating a transport stream which includes desired data for data broadcasting, wherein, when a plurality of requests for acquiring the same one of the predefined display areas are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the desired data for data broadcasting, the single processing unit controlling the selecting and demodulating of the transport stream.

92. (New) The computer readable medium of claim 91, further comprising:

selecting the desired data for data broadcasting from the selected and demodulated transport stream; and

decoding the selected desired data for data broadcasting, wherein the single processing unit controls a display of the decoded desired data for data broadcasting.

93. (New) A computer readable medium that stores a plurality of instructions to be executed by at least one processor to control a display on a display apparatus, comprising:

receiving a request from one processing unit to acquire one of predefined display areas;

determining whether to provide an authorization to acquire one of a plurality of predefined display areas in response to an acquisition request from a processing unit to acquire one of predefined display areas; and

selecting and demodulating a transport stream which includes an electronic program schedule, wherein, when a plurality of requests to acquire a same one of predefined display areas are received, the authorization is provided to a single processing unit that made the request to acquire the same one of predefined display areas, and for displaying the electronic program schedule, the single processing unit controlling the selecting and demodulating of the transport stream.

94. (New) The computer readable medium of claim 93, further comprising:

selecting the electronic program schedule from the selected and demodulated transport stream; and

decoding the selected electronic program schedule, wherein the single processing unit controls a transport display of the decoded electronic program schedule.